



OIPE

## RAW SEQUENCE LISTING

DATE: 08/09/2002

PATENT APPLICATION: US/10/092,227

TIME: 13:46:37

Input Set : A:\GC723-seqlist.txt

Output Set: N:\CRF4\08092002\J092227.raw

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4 <110> APPLICANT: Bott, Richard R.
5      Kellis, James T.
6      Morrison, Thomas R.
8 <120> TITLE OF INVENTION: High Throughput Mutagenesis Screening
9      Method
11 <130> FILE REFERENCE: GC723
12 <140> CURRENT APPLICATION NUMBER: US 10/092,227
14 <141> CURRENT FILING DATE: 2002-03-05
16 <160> NUMBER OF SEQ ID NOS: 2
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 818
22 <212> TYPE: DNA
23 <213> ORGANISM: Pseudomonas mendocina
25 <400> SEQUENCE: 1
26 ttggcggcctc ttgcctgtcc gtctgtgcc ctgtcgggc ggtcccttg cgggatacac      60
27 cgggagcgcc atttcgggt gtgcacaatt tcgacggag tggccctac accaccagca      120
28 gccagagcga gggggccagg tgtcgcatct atcgccccc cgacctgggt cagggggggc      180
29 ttgcgtcatc ggtgattctc tggggcaatg gcacgggtgc cgggcccgtc acctatgcgc      240
30 gcttctatc gcactgggca agccacgggt tgggtgtggc ggcggcgga acctccaatg      300
31 cgggtaccgc gggggaaatg ctgcctgccc tggactatct ggtacgtgag aacgacaccc      360
32 cctacggcac ctattccggc aagctcaata cggggcgagt cggaacttct gggcattccc      420
33 aggtgtgttg cggctcgatc atggccgggc aggatacgag ggtgcgtacc acgggcgcga      480
34 tccagcccta caccctcggc ctggggcacg acagcgctc gcagcggcgc cagcaggggc      540
35 ccatgttctt gatgtccggt ggcggtgaca ccategcctt tccctacctc aacgtccagc      600
36 cgggtctacc ggtgtccaat gtgcgggtgt tctggggcga acggcgttac gtcagccact      660
37 tcagaccggt cagtaacggt ggggcctatc cgggcgcgag acgggcattg ttcgcttcc      720
38 agcttatgga tgaccaagac gcccgcgcta ccttctacgc cgcgcagtg agtctgtgca      780
39 ccagcctgct gtggtcggtc gaggcgccgc ggttttaa      818
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 272
43 <212> TYPE: PRI
44 <213> ORGANISM: Pseudomonas mendocina
46 <400> SEQUENCE: 2
47 Met Ala Ala Ser Cys Leu Ser Val Cys Ala Thr Val Ala Ala Ala Pro
48 1 5 10 15
49 Leu Pro Asp Thr Pro Gly Ala Pro Phe Pro Ala Val Ala Asn Phe Asp
50 20 25 30
51 Arg Ser Gly Pro Tyr Thr Thr Ser Ser Gln Ser Glu Gly Pro Ser Cys
52 35 40 45
53 Arg Ile Tyr Arg Pro Arg Asp Leu Gly Gln Gly Gly Val Arg His Pro
54 50 55 60
55 Val Ile Leu Trp Gly Asn Gly Thr Gly Ala Gly Pro Ser Thr Tyr Ala

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56	65				70				75				80			
57	Gly	Leu	Leu	Ser	His	Trp	Ala	Ser	His	Gly	Phe	Val	Val	Ala	Ala	Ala
58					85				90					95		
59	Glu	Thr	Ser	Asn	Ala	Gly	Thr	Gly	Arg	Glu	Met	Leu	Ala	Cys	Leu	Asp
60				100					105					110		
61	Tyr	Leu	Val	Arg	Glu	Asn	Asp	Thr	Pro	Tyr	Gly	Thr	Tyr	Ser	Gly	Lys
62			115					120					125			
63	Leu	Asn	Thr	Gly	Arg	Val	Gly	Thr	Ser	Gly	His	Ser	Gln	Gly	Gly	Gly
64		130					135					140				
65	Gly	Ser	Ile	Met	Ala	Gly	Gln	Asp	Thr	Arg	Val	Arg	Thr	Thr	Ala	Pro
66	145				150					155					160	
67	Ile	Gln	Pro	Tyr	Thr	Leu	Gly	Leu	Gly	His	Asp	Ser	Ala	Ser	Gln	Arg
68				165					170						175	
69	Arg	Gln	Gln	Gly	Pro	Met	Phe	Leu	Met	Ser	Gly	Gly	Gly	Asp	Thr	Ile
70			180						185					190		
71	Ala	Phe	Pro	Tyr	Leu	Asn	Ala	Gln	Pro	Val	Tyr	Arg	Arg	Ala	Asn	Val
72			195					200					205			
73	Pro	Val	Phe	Trp	Gly	Glu	Arg	Arg	Tyr	Val	Ser	His	Phe	Glu	Pro	Val
74		210				215					220					
75	Gly	Ser	Gly	Gly	Ala	Tyr	Arg	Gly	Pro	Ser	Thr	Ala	Trp	Phe	Arg	Phe
76	225				230					235					240	
77	Gln	Leu	Met	Asp	Asp	Gln	Asp	Ala	Arg	Ala	Thr	Phe	Tyr	Gly	Ala	Gln
78				245					250					255		
79	Cys	Ser	Leu	Cys	Thr	Ser	Leu	Leu	Trp	Ser	Val	Glu	Arg	Arg	Gly	Leu
80			260						265					270		

VERIFICATION SUMMARY

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